



## FIREwood

### Composite wall cladding

Sound-absorbing, real-wood-veneered and non-combustible – the calcium sulphate panel FIREwood provides the perfect solution for high-quality wall- and ceiling claddings in rescue and escape routes, necessary corridors, staircases and meeting rooms. The composite material with real wood veneer easily combines real-wood surfaces, fire protection and good acoustics.

- all timber types possible
- individual design due to diverse joining technology
- sound-absorbing due to micro-perforation
- grand formats without sagging
- environmental compatibility
- high level of prefabrication
- rated according to DIN 41021
- available as class A2 (noncombustible) and B1 (flame-resistant)

#### **datasheet.headline.einsatzgebiete.title**

**Public Areas:** Entrance Areas, Escape Routes

**Public Institutions:** Court Houses, Government Buildings

**Hotels and Gastronomy:** Hotels and Resorts

**Businesses, Recreation and Culture:** Places of Assembly, Concert Halls

**Education:** School of Higher Education, Schools

**Work:** Office buildings, Assembly Rooms

#### **datasheet.headline.technischeAnforderungen.title**

**Fire Protection:** Fire Behaviour / Building Material Class

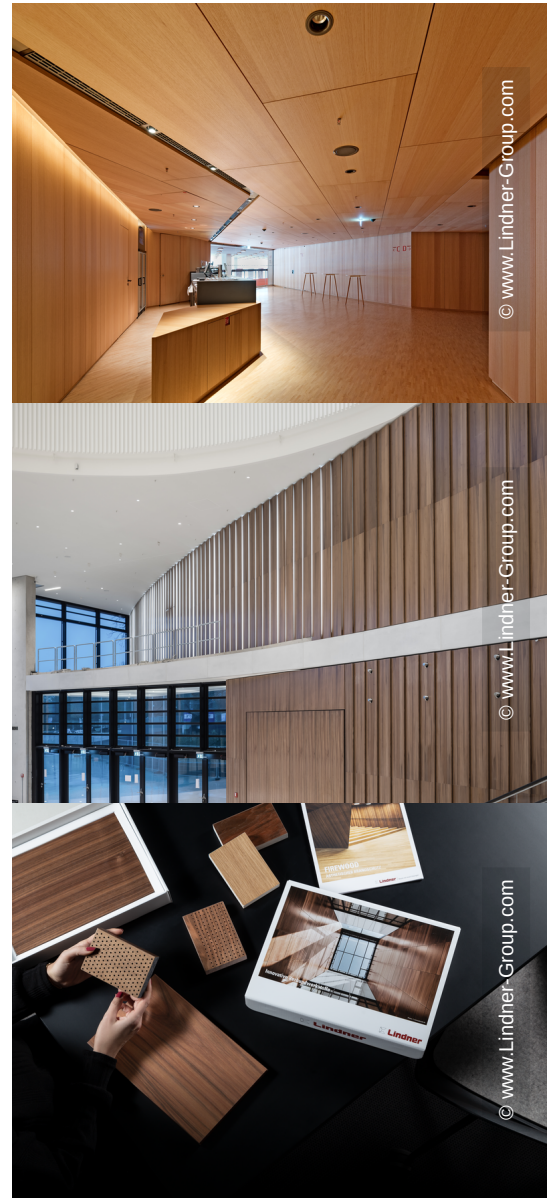
**Design:** Gypsum, Wood, Perforation

**Corrosion Protection:** Interiors

**Hygiene:** Wipeable

**Sustainability:** Environmental Product Declaration

**Acoustics:** Room Acoustics





**Technical Details**

Climate area	10 - 35 °C
Swelling and shrinkage behavior	max. 0.1 mm/m
Surface soundness	approx. 0.8 N/mm <sup>2</sup>
Acoustic design	Acoustic fleece, Perforation, Grooves
Carrier panel	Calcium sulfate, Gypsum-fibre
Edge design (panels)	Veneer edge, Coloured edge

**Dimensions**

Panel thickness	19 mm
Panel weight	23 kg/m <sup>2</sup>



Length	2 550 mm
Width	1 220 mm

## Acoustics

### objectbrick.Akustik.Raumakustik.title

Evaluated sound absorption coefficient	DIN EN ISO 354	$\alpha_w$	0,65
Sound absorption class	DIN EN ISO 11654		C

## Fire protection

### objectbrick.Brandschutz.Baustoffklasse.title

Zusatztext	of the composite panel		
Building material class	DIN EN 13501-1	B - s1,d0	
Building material class	DIN 4102-1	A2	
Designation by the building authorities	DIN 4102-1	non-combustible	

## Surfaces

Surfaces	real wood veneer
Perforations	PE 8/8/1.5/3.5-1, LI 14/2.0-1

## Sustainability

### Indicators

Recycling component	100 %	
innenraumluftmessung	EN16516	100 µg/m³
Emission of formaldehyde	< 3 µg/m³	

### Evidence of emission measurements

AgBB	Fulfills
BREEAM International	Conform
LEED v4	Conform

### deklarationen\_und\_nachweise

## Product